



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

## GENERAL INDEX

Classified entries will be found under Contributors and Reviews. New names and names of new genera, species, and varieties are printed in **bold face** type; synonyms in *italic*.

### A

Abrams, L., work of 232  
Absorption, ratio of phosphate, nitrate, and potassium on 1; of salts by Bromeliaceae 160  
*Achlya caroliniana* 381  
*Adoxa moschatellina*, morphology of 154  
Agave, Trelease on 71  
*Alangium* 471  
Albuminous cells of ray tracheids 111  
American Breeders' Magazine 315  
American Naturalist 314  
Ames, O., work of 232  
Ammonium salts, rôle of 75  
*Amyris* 233  
Anatomy 470; of *Calamostachys* 480  
Andrews, F. M. 193  
Andrews, L., work of 231  
Angiosperms, embryo of 480  
*Anguilla*, flora of 232  
Antheridia, of ferns 52  
Anthers, dehiscence of 158  
Apogamy, *Burmannia* 76; ferns 53; *Pteris* 239; *Trichomanes* 80  
Apospory, *Trichomanes* 80  
Appel, O., work of 158  
Appleman, C. O. 150, 182  
Araceae 233  
Araucarineae and Podocarpaceae 92  
*Araucariopitys* 70  
Arber, Agnes, work of 397  
Archegonia, of ferns 52  
Archiv für Kassen- und Gesellschafts-Biologie 314  
Ascocarp of *Leotia* 443  
*Aspergillus* 474  
Aso, K., work of 160  
Atkinson, G. F. 220  
Atmograph 214

### B

Bach, A., work of 151  
Bacteria, hydrogen 77; iron 464  
Bacteriology, outlines of 229  
Bahamas, naturalist in 390  
*Baicalia* 233  
Bailey, I. W. 142, 374; work of 236  
Bancroft, C. K., work of 472

Bartlett, A. W., work of 473  
*Bastardiopsis* 232  
Bateson, W., work of 228  
Bennettitales 74  
Berry, E. W. 202, 305  
Beutenmuller, Wm., work of 240  
Billings, F. H., work of 395  
*Biometrika* 313  
Bissell, C. H., work of 231  
Blackman, F. F., work of 234  
Blake, S. F., work of 232  
*Blanchetiastrum* 232  
Blodgett, F. H. 340  
Børgesen, F., work of 232  
Boldingh, I., work of 232  
Bolivia, plants of 232  
Boodle, L. A., work of 69  
Boraginaceae 233  
Botanical Congress at Brussels 220  
Bowie, W. T., work of 237  
Bower, F. O., work of 238  
*Brachyphyllum* 68  
Brazinski, J., work of 393  
Bromeliaceae, absorption of salts 160  
Brooks, M. A., work of 236  
Brooks, F. T., work of 473  
Brown, W. H. 443  
Bruchmann, H., work of 391  
Bulbs of *Erythronium* 340  
Burseraceae 232  
Burgeff, H., "Die Wurzelpilze der Orchideen" 386  
*Burmannia coelestis*, apogamy in 76  
Burret, M., work of 232

### C

*Calamostachys*, anatomy of 480  
Caldwell, O. W. 310, 311  
Callitris, morphology of 397  
Campbell, D. H., work of 320, 480  
Cannon, W. A., work of 477  
Carbon dioxid as a fertilizer 398  
*Carex* 233  
Catalase, observations on 182  
***Catathelasma*** 383; ***evanescens*** 384  
*Cedroxylon* 70  
Cercis, length of pod and fertility 117  
Chabaud, B., work of 232

- Chamberlain, C. J. 67, 72, 76, 79, 155, 160, 318, 415, 479; and Coulter, J. M., "Morphology of gymnosperms" 466
- Chemotropism of roots 71
- Chilean fungi 430
- Chlorophyceae, new genera of 390
- Christ, H., "Die Geographie der Farne" 312; work of 232
- Chromocrea 233
- Chromocrepopsis 233
- Chromosomes, differentiation among 72; microchemistry of 160
- Cladosporium 472
- Clapp, Grace L. 386, 392
- Clark, C. F., work of 392
- Clark, G. H., and Fletcher, J., "Farm weeds of Canada" 389
- Clavaria *truncata* 385
- Claviceps 460; *Paspali* 462; *Rolfssii* 462; *Tripsaci* 463
- Clityocybe *pruinosa* 384
- Coastal deserts of Jamaica 479
- Cockayne, L., work of 478
- Cogniaux, A., work of 232
- Coker, W. C. 381
- Colloidal chemistry 151
- Collybia maculata *moschata* 384
- Compositae 233
- Compression, and mechanical tissue 257
- Congo, flora of 471
- Conifers, bars of Sanio 78; classification 318; ecology 394; fossil 75; ray tracheids 101
- Connecticut plants, catalogue of 231
- Contributors: Andrews, F. M. 193; Appleman, C. O. 150, 182; Atkinson, G. F. 220; Bailey, I. W. 142, 374; Berry, E. W. 202, 305; Blodgett, F. H. 340; Brown, W. H. 443; Caldwell, O. W. 310, 311; Chamberlain, C. J. 67, 72, 76, 79, 155, 160, 318, 415, 479; Clapp, Grace L. 386, 392; Coker, W. C. 381; Cook, Mel. T. 152, 240; Coulter, J. M. 78, 79, 80, 235, 236, 238, 239, 240, 320, 380, 390, 395, 397, 398, 399, 470, 471, 472, 480; Cowles, H. C. 312, 394, 468; Crocker, William 73, 75, 77, 78, 154, 155, 159, 230, 233, 234, 237, 238, 240, 312, 315, 317, 320, 321, 398; Eikenberry, W. L. 214; Farlow, W. G. 220; Fuller, G. D. 389, 477, 478, 479; Greenman, J. M. 231, 232, 470, 472; Hall, J. G. 460; Harris, J. A. 117; Harris, N. M. 229, 464; Hasselbring, H. 65, 153, 157, 158, 472, 474, 478; Howe, R. H., Jr. 159; Jeffrey, E. C. 67, 69, 70, 74, 75, 318, 319, 401, 466; Knight, L. I. 321; Land, W. J. G. 77; Lewis, I. F. 59; Livingston, B. E. 151, 242; Lovejoy, Ruth H. 383; Mottier, D. M. 209; Pace, Lula 49; Pennington L. H. 257; Pond, R. H. 158, 398, 399; Pool, Venus W. 159; Riddle, L. W. 285; Roberts, Edith 321; Rose, R. C. 71, 73, 76, 156, 159, 160; Saxton, W. T. 31; Schreiner, Oswald 1, 161; Shull, G. H. 226, 313, 392, 393, 395; Sister Helen Angela 396; Skinner, J. J. 1, 161; Smith, F. Grace 128; Stevens, F. L. 460; Stokey, Alma G. 218; Thaxter, Roland 430; Thompson, W. P. 101; Thomson, R. B. 148; Wilcox, E. Mead 240; Young, Mary S. 81, 236
- Cook, Mel. T. 152, 240; work of 400
- Cordaitales 78
- Cornus 471
- Correlation 271; in oats 395
- Costa Rica, ferns of 232
- Cotyledons, removal of 240
- Coulter, J. M. 78, 79, 80, 235, 236, 238, 239, 240, 320, 380, 390, 395, 397, 398, 399, 470, 471, 472, 480; work of 72; and Chamberlain, C. J., "Morphology of gymnosperms" 466
- Cowles, H. C. 312, 394, 468
- Crepis virens, chromosomes of 72
- Cretaceous, pine leaves 319; plants of Japan 67
- Cretovarius 68
- Crocker, William 73, 75, 77, 78, 154, 155, 159, 230, 233, 234, 237, 238, 240, 312, 315, 317, 320, 321, 398
- Cryptomeriopsis 68
- Cucurbitaceae, peg of 321
- Cunninghamia, morphology of 240
- Cuphea 232
- Czapek, F., work of 234

## D

- Davis, J. J., work of 80
- DeFraigne, E., work of 239
- Degenia 232
- Delphinium 233
- Desert vegetation and soil moisture 241
- Dictyota, periodicity in 59
- Dioon edule, fertilization and embryogeny 415
- Diseases 65, 472; apple 240; smuts 158, 159
- Drude, O., and Engler, A., "Vegetation der Erde" 468
- Duggar, B. M., "Fungus diseases of plants" 65
- Dunes of New Zealand 478
- Durand, Théoph. et Hél., "Florae Congolanae" 471

## E

- Eames, E. H., work of 231  
 Ecology of conifers 394  
 Eikenberry, W. L. 214  
 Ellis, D., "Outlines of bacteriology" 229  
 Embryo, *Angiopteris* 480; *Dioon* 415; *Kaulfussia* 480; *Labiatae* 395; *Phyllocladus* 87; *Widdringtonia* 40  
 Embryo sac, *Fritillaria* 400; *Onagraceae* 79; *Pandanus* 320  
 Endophyton 399  
 Engler, A., "Das Pflanzenreich" 470; and Drude, O., "Vegetation der Erde" 468; work of 232  
*Entoloma viridans* 385  
 Enzymes, in sap stain 142  
 Eocene flora in Georgia 202  
 Ernst, A., work of 76, 160  
*Erythronium*, bulbs of 340  
*Eucalyptus*, revision of 472  
*Euphorbiaceae* 233  
 Excretion of salts, in *Statice* 159  
 Evolution of plants 236  
 Ewert, R., work of 473

## F

- Fagoxylon* 68  
 Farlow, W. G. 220  
 Farm weeds 389  
 Fawcett, W., work of 232  
 Female gametophyte, *Phyllocladus* 85; *Zamia* 135  
 Fermentation, alcoholic 154  
 Ferns, antheridia 52; apogamy 53; archegonia 52; gametophyte 49; fertilization 53  
 Fertilization, *Dioon* 415; ferns 53  
*Filicales*, phylogeny of 238  
 Fitting, H., work of 76  
 Flagellates, new genus of 399  
 Fletcher, J., and Clark, G. H., "Farm weeds of Canada" 389  
*Florideae* 232  
*Frenelopsis*, epidermal characters of 305  
 Freundlich, H., "Kapillarchemie" 151  
 Freund, Yella, work of 240  
*Fritillaria*, two embryo sacs in 400  
 Fujii, K., work of 67  
 Fuller, G. D. 389, 477, 478, 479  
 Fungi, Chilean 430; on *Euphorbia* 233; parasitic, of Wisconsin 80; Philippine 233

## G

- Galitzky, Katherine, work of 317  
 Galls, insect 240; of Michigan 400; Stebbins on 152

- Galtonia candicans*, root tips and temperature 73  
 Gametophyte, fern 49; sex in *Onoclea* 209; *Widdringtonia* 34, 37  
 Ganong, W. T., "Teaching botanist" 310  
 Gardner, N. L., work of 399  
*Garrya* 471  
 Gates, R. R., work of 79  
 Genetics, magazines 313  
 Georgevitch, Peter, work of 73, 80  
 Geotropism 155, 317; and split stems 238  
 Gerry, Eloise, work of 78  
 Gilg, E., work of 232  
 Giltay, E., work of 155  
*Gleichenia*, vascular anatomy 69  
*Gloeophyllum ferrugineum* 385  
 Gnetales, seedling structure of 239  
 Gothan, W., work of 70  
 Graves, C. B., work of 231  
 Greene, E. L., work of 232  
 Greenman, J. M. 231, 232, 470, 472  
*Grewia* 232  
 Groom, Percy, work of 394  
 Growth, ratio of phosphate, nitrate, and potassium on 1  
 Guttenberg, H. R. v., work of 317, 318  
 Gwynne-Vaughan, D. T., work of 74, 476  
 Gymnosperms, morphology of 466; vascular plate and cotyledons of 72

## H

- Hall, J. G. 460  
 Hannig, E., work of 158  
 Harger, E. B., work of 231  
 Harris, J. Arthur 117  
 Harris, N. M. 229, 464  
 Hasselbring, H. 65, 153, 157, 158, 472, 474, 478  
 Hassler, E., work of 232  
 Hayek, A. von, work of 232  
*Helichrysum* 233  
 Heller, A. A., work of 232  
*Helminthostachys*, suspensor of 400  
 Heliotropism 317  
 Heredity 226; and variation 270  
 Hickling, George, work of 480  
 Hiley, W. E., work of 69  
 Hill, T. G., work of 239  
 Holleman, A. F., "Organic chemistry" 312  
*Hormodendron* 472  
 Howe, R. H., Jr. 159; work of 232  
 Hydrocyanic acid, rôle of 156  
 Hymenomycetes, fertile and sterile strains 478  
 Hypocreales 233

## I

- Illinois State Academy of Science 472  
*Indigofera campestris* 232  
 Insect galls 240; of Michigan 400; Stebbins on 152  
 Iron bacteria 464

## J

- Jacobi, Helene, work of 240  
 Jamaica, coastal deserts of 470  
 Japan, cretaceous plants of 67  
*Jatropha* 471  
 Jeffrey, E. C. 67, 69, 70, 74, 75, 318, 319, 401, 466  
 Jensen, P. B., work of 320  
 Johannsen, W., "Elemente der exacten Erblichkeitslehre" 227  
 Jongmans, W. J., "Palaeobotanische Literatur" 471  
*Jugloxylon* 68  
 Jurassic, flora of Normandy 80; woods 70

## K

- Kastle, J. H., "The oxidases" 150  
*Kaulfussia*, embryo of 480  
 Kershaw, F. M., work of 319  
 Kidston, R., work of 74, 476  
 Knight, Lee I. 321  
 Koehne, E., work of 232  
 Kohl, F. G., work of 154  
 Kooper, W. D., work of 399  
 Kraemer, Henry, "Text-book" 390  
 Kränzlin, F., work of 233  
 Krause, K., work of 233  
 Kükenthal, G., work of 233  
 Kuijper, J., work of 233

## L

- Labiatae, embryo 395  
 Lagerberg, T., work of 154  
 Land, W. J. G. 77  
 Lang, W. H., work of 400  
 Lawson, A. A., work of 235  
 Leaves, periodicity in nitrogen 399  
 Leavitt, S., work of 153  
 Lebedeff, A. J., work of 77  
 Lechmere, A. E., work of 400  
 LeClerc, J. A., work of 153  
 Leeuwen-Reijnvaan, Drs. Van, work of 77  
*Leotia*, ascocarp of 443; *chlorocephala* 447; *lubrica* 443  
 Lewis, C. E., work of 240  
 Lewis, I. F. 59  
 Lignier, Octave, work of 80  
 Lingelsheim, A., work of 232  
 Livingston, B. E. 151, 242

- Loesener, Th., work of 233  
 Lovejoy, Ruth H. 383  
*Lycopodium*, *prothallia* 301; sporangia 218; *tristachyum* 232  
 Lychnis, Shull on color inheritance in 79

## M

- McAlpine, D., work of 474  
 McDougal, D. T., work of 477  
 Maiden, J. H., "Revision of *Eucalyptus*" 472  
 Male gametophyte of *Phyllocladus* 82  
 Mangin, L., work of 475  
*Marckea* 232  
 Maslen, A. J., work of 78  
 McCallum, W. H., work of 240  
 Mechanical tissue, and longitudinal compression 257  
*Megabaria* 253  
 Mendel Journal 314  
*Mercurialis*, ovulate plants of 479  
 Meyer, Arthur, work of 73  
 Michigan, insect galls 400  
 Microtome for cutting wood 148  
*Mitrospermum*, structure of 397  
 Mitscherlich, E. A., work of 398  
 Miyake, K., work of 240  
 Mniun, spermatogenesis in 77  
 Modilewski, J., work of 79  
 Moeser, W., work of 233  
 Molds, source of nitrogen 159  
 Molisch, H., "Eisenbakterien" 464  
 Morphology of plants 67  
 Mottier, D. M. 209

## N

- Nathorst, A. G., work of 74, 75  
 National Academy of Sciences 71  
 Némec, B., work of 160  
*Néojatropha* 471  
 New Zealand, dunes of 478  
*Niponophyllum* 68  
 Nitrogen, periodicity in leaves 399; source of, for molds 159  
 Nitrate, ratio of, on absorption and growth 1  
 Nordhausen, M., work of 398  
 Normandy, Jurassic flora of 80  
 North American Flora 231  
 Northrop, J. I., memorial volume 390

## O

- Oats, correlation in 395  
 Oak woods 374  
*Oenothera*, Lamarckiana, the original 79; twin hybrids 193

Onoclea, sex of gametophyte 209  
 Orchids 232, 233; flowers, formative stimuli 76; root-fungi 386  
 Osborne, T. B. "The vegetable proteins" 230  
 Osmundaceae, fossil 74, 476  
 Oxidases 150  
 Oxytropis 233  
 Otto, R., work of 399  
 Ovule, *Zamia* 128

## P

Pace, Lula 49  
 Palibine, J. W., work of 233  
 Palladin, W., work of 315, 316  
 Pandanus, embryo sac of 320  
 Paleobotanical literature 471  
 Parasites 477  
 Pax, F., work of 232, 233, 469, 471  
 Peg of Cucurbitaceae 321  
 Penicillium 474  
 Pennington, L. H. 257  
 Permeability 234  
 Petersen, H. E., work of 233  
 Pflanzenreich 470  
 Pharmacognosy, text-book of 390  
 Phosphate, ratio of, on absorption and growth 1  
 Phototropism 398  
 Phyllocladoxylon 70  
 Phyllocladus, embryo 87; female gametophyte 85; male gametophyte 82; morphology 82; relationship 91  
 Phylloglossum, morphology of 318  
 Phycia villosa 159  
 Pilger, R., work of 233  
 Pinus, evolution of 236  
 Pityoxylon 70  
 Podocarpaceae, and Araucarineae 92; morphology of 81  
 Podocarpus, structure of 236  
 Polarity 240  
 Pond, R. H. 158, 398, 399  
 Pool, Venus W. 159  
 Populocaulis 68  
 Porodoko, Theodor, work of 71  
 Potassium, ratio of, on absorption and growth 1  
 Prianschnikow, D., work of 75  
 Protopiceoxylon 70  
 Proteases, Vines on 78  
 Protein, vegetable 230  
 Prothallium of *Lycopodium* 301  
 Psilotum, morphology of 239  
 Pteris, apogamy in 239  
 Pteropsida 401  
 Pulle, A., work of 233  
 Pythiomorpha 233

## Q

Queva, C., work of 396

## R

Rafflesia, fertilization in 160  
 Ray tracheids, albuminous cells of 11; in Coniferae 101; in roots 102  
 Rendle, A. B., work of 232  
 Respiration 233, 315  
 Reviews: Burgeff's "Die Wurzelpilze der Orchideen" 386; Christ's "Geographie der Farne" 312; Clark and Fletcher's "Farm weeds of Canada" 389; Coulter and Chamberlain's "Morphology of gymnosperms" 466; Duggar's "Fungous diseases of plants" 65; Durand's "Florae Congolanae" 471; Ellis' "Outlines of bacteriology" 229; Engler's "Pflanzenreich" 470; Engler and Drude's "Vegetation der Erde" 468; Fletcher and Clark's "Farm weeds of Canada" 389; Freundlich's "Kapillarchemie" 151; Ganong's "Teaching botanist" 310; Holleman's "Organic chemistry" 312; Johannsen's "Elemente der exacten Erblchkeitslehre" 227; Jongmans' "Palaeobotanische Literatur" 471; Kastle's "Oxidases" 150; Kramer's "Text-book" 390; Maiden's "Revision of Eucalyptus" 472; Molisch's "Eisenbakterien" 464; Osborne's "Vegetable proteins" 230; Stevens' "Plant anatomy" 470; Velenovský's "Morphologie der Pflanzen" 67; Willis' "Agriculture in the tropics" 311  
 Richter, O., work of 317  
 Riddle, L. W. 285  
 Ritchieophyton 471  
 Ritter, G., work of 159  
 Roberts, Edith 321  
 Robinson, C. B. work of 233  
 Root, chemotropism of 71; ray tracheids in 102  
 Root-fungi of orchids 386  
 Rorhardt, P. A., work of 238  
 Rosenberg, O., work of 72  
 Rose, R. C. 71, 73, 76, 156, 159, 160  
 Rydberg, P. A., work of 233

## S

Sabal uresana 232  
 Sabiocaulis 68  
 Sackett, W. C., work of 159  
 Sap, rise of 238; stain, oxidizing enzymes 142  
 Saxegothaea, morphology of 94

Saxton, W. T. 31; work of 397  
 Schmidt, Ernst, work of 73  
 Schreiner, Oswald 1, 161  
 Schtscherback, Johann, work of 159, 238  
 Sciadopitys, morphology of 235  
 Scion and stock, interaction between 73  
 Scirpodendron 232  
 Scott, D. H., work of 78  
 Seaver, F. J., work of 233  
 Seedling, of Gnetales 239; of *Trapa* 396  
 Selaginella, sporophylls of 396  
 Sex, in gametophyte of *Onoclea* 209  
 Shreve, Forrest, work of 479  
 Shull, G. H. 226, 313, 392, 393, 395;  
   work of 79  
 Sister Helen Angela 396  
 Skinner, J. J. 1, 161  
 Smith, F. Grace 128  
 Smuts, treatment for 158  
 Soil, a harmful organic constituent 161;  
   moisture and desert vegetation 241  
 Spermatogenesis in *Mnium* 77  
 Sporangium of *Lycopodium* 218  
 Sporophylls of *Selaginella* 396  
 Statice, excretion of salts 159  
 Stebbins, Fannie A., work of 152  
 Stephens, E. L., work of 239  
 Stereocaulon, albicans 303; alpinum 298;  
   condensatum 290; coralloides 291;  
   denudatum 300; nanodes 303; North  
   American species 285; paschale 292;  
   pileatum 289; ramulosum 304; tomen-  
   tosum 296; tomentosum **simplex** 298;  
   Wrightii 302  
 Stevens, F. L. 460  
 Stevens, W. C., "Plant anatomy" 470  
 Stiles, W., work of 236, 239, 396  
 Stimulus, conduction of 320; formative  
   76  
 Stock and scion, interaction between 73  
 Stokey, Alma G. 218  
 Stopes, Marie C., work of 67, 319  
 Strasburger, E., work of 479  
 Strobilus, of *Widdringtonia* 31; of *Zamia*  
   128  
 Surinam, flora of 233  
 Suspensor, in *Helminthostachys* 400  
 Sydow, H., work of 233  
 Sydow, P., work of 233  
 Sykes, M. G., work of 239, 396

## T

Tahara, M., work of 72  
 Taphrina **entomospora** 437  
 Taxonomic literature 232  
 Temperature, and living cells 73  
 Timothy, variation in 392  
 Thaxter, Roland 430

Thom, Charles, work of 475  
 Thompson, W. P. 101  
 Thomson, R. B. 148  
 Transpiration organs 237  
 Tranzschel, W., work of 233  
*Trapa*, seedling of 396  
 Traumatic woods 374  
 Trelease, William, work of 71  
 Trichomanes, apospory and apogamy in  
   80  
 Twin hybrids, anatomical distinctions  
   193

## U

Uncinula **magellanica** 440; **Nothofagi**  
   439  
 Usnea 232

## V

Valeriana 233  
 Variation 270  
 Vascular anatomy, *Gleichenia* 69  
 Vegetable protein 230  
 Vegetation der Erde 468  
 Velenovský, Jos., "Morphologie der  
   Pflanzen" 67  
 Vernon, H. M., work of 78  
 Vierhapper, E., work of 319  
 Vines, S. H., work of 78

## W

Wakefield, E., work of 478  
 Waldron, L. R., work of 395  
 Wangerin, Walter, work of 470  
 Wassiljeff, Vera, work of 317  
 Water, non-available 237  
 Weatherby, C. A., work of 231  
 Weeds, farm 389  
 Wernham, H. F., work of 318  
 Wheat, influence of environment 153  
 Whetzel, H. H., work of 159  
*Widdringtonia*, cupressoides, life history  
   of 31; embryo of 40; gametophytes of  
   34, 37  
 Wilcox, E. Mead 240  
 Willis, J. C., "Agriculture in the tropics"  
   311  
 Wilson, M., work of 77  
 Wilson, P., work of 233  
 Winkler, H., work of 232  
 Wisconsin, parasitic fungi of 80  
 Wood, traumatic oak 374  
 Wootton, E. O., work of 233  
 Worsdell, W. C., work of 398

## X

Xeno-parasites 477

Xenoxylon 70

## Y

Yezonia 68

Young, Mary S. 81, 236

## Z

Zamia, female gametophyte 135; ovulate strobilus 128; ovule 128

Zanthoxylum 233

Zeitschrift für induktive Abstammungs- und Vererbungslehre 314

Zijlstra, K., work of 237